JOHN A. CHURCH
MINING ENGINEER

40 WALL STREET.

CABLE, "SCOTIST."

New York, February 8th 1893

My dear Sam

I am sorry your visit at G. Mt. does not pan out any better. It is apparent to me that the vein is not an exception to the usual rule of lessened value in depth. It has held its own with remarkable strength but 1200 feet seems to be too much for it.

It seems to me very doubtful whether the old works above VI tunnel will justify the amount of money that must be spent to open them, Especially since the money must be spent blindly. Such an expenditure would be justified only if the mine had more positive resources and were taken and operated on them, the exploration of the old ground being made a side issue

It is evident that the future of the mine mus

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New York, ... 189.....

depend on the prospects below VI tunnel and to ascertain what they are it will be necessary to put in a pump, take up the track and test the bottom of the tunnel for the whole length of the Sulphuret Shoot at least. It is there where the last discoveries of ore were made by the old Co. and where Bradford, an M.E. and their Sec. says good ore was found below the tunnel. I presume $50 would be the use of the water for such a test as it would be a tentative work which in case of success would inure to the benefit of the Water Co. The purchase of a pump conduct of the work, travel etc would cost $2000, I should say.

If the test succeeded and we decided that the mine would pay from a shaft sunk in the tunnel the cost of the work would have to be figured up very closely. It would not be possible to come

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sider Connell or any other past interests. He has failed and the mine is not one that will allow us to pay for any failures. As a marketing proposition the reopening of an abandoned mine is not so attractive as a new property.

Your assays are very low and I do not consider as indications of working grade. the $100 & $200 assays of any value. In fact out of 23 assays in the Sulphuret, Blind & Blake shoots you have only 4 that go over $4 ($4-7.20) and 3 that must be omitted ($15.50, 28.50, & 110). That leaves 17 assays with an average of $1.66. My assays which represented better spots & were less of an average character than yours give only $4 when treated in the same way.

It is evident that the remnants of old stopes are of too low grade to be thought of. and if $9 ore is to be had below VI tunnel as Bradford says its value will depend of course on its size.

By the way Bradford tells me that the Mill

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is on patented ground he thinks (i.e. patented by old
which is not Cornelia's story.

I note your Father yesterday but not so
fully as I write now after more careful consider-
ation and I wish you would send him this let-
ter. Your visit has narrowed the question down
a practical point and we ought to be able to
reach a clear decision.

With regards to your Father and all oth
friends I am yours very truly

John A. Church